

What is claimed is:

1. A method of producing a ferrule having a plurality of fiber holes for insertion of optical fibers
 5 formed between two pin holes for insertion of guide pins, comprising a step of injecting a synthetic resin in a mold for forming said ferrule while holding a plurality of pins with a Young's modulus of $(22 \text{ to } 59) \times 10^{10} \text{ N/m}^2$ for forming
 10 said fiber holes at two points separated by a distance of 1.5 to 4 mm in a lengthwise direction of said pins.
2. A ferrule produced by the method as recited in claim 1, comprising:
 - pin holes for insertion of guide pins;
 - a plurality of fiber holes for insertion of optical
 15 fibers, formed between said pin holes; and
 - an opening which communicates with said plurality of fiber holes and through which an adhesive for securely adhering said optical fibers in said fiber holes is injected.
- 20 3. A ferrule comprising plural groups of fiber holes for insertion of optical fibers formed at predetermined intervals, each group having a plurality of fiber holes, each fiber hole having a guide hole portion and a minute hole portion whose inside diameter is smaller than
 25 that of said guide hole portion.
4. A ferrule comprising plural groups of fiber holes for insertion of optical fibers formed at predetermined intervals, each group having a plurality of fiber holes, each fiber hole having a guide hole portion and a
 30 minute hole portion whose inside diameter is smaller than that of said guide hole portion,
 said guide hole portion having a taper portion formed on a minute hole portion side in such a way that said taper

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portion is tapered toward said minute hole portion and has a length L_t set to $1 \geq L_t/L_g \geq 1/3$ where L_g is a total length of said guide hole portion.

5 5. A ferrule comprising plural groups of fiber holes for insertion of optical fibers formed at predetermined intervals, each group having a plurality of fiber holes,

each fiber hole having a guide hole portion and a minute hole portion whose inside diameter is smaller than that of said guide hole portion,

10 said guide hole portion being formed in such a way that said inside diameter thereof becomes smaller in a stepwise manner toward said minute hole portion.

15 6. A ferrule comprising plural groups of fiber holes for insertion of optical fibers formed at predetermined intervals, each group having a plurality of fiber holes,

each fiber hole having a guide hole portion and a minute hole portion whose inside diameter is smaller than that of said guide hole portion,

20 said guide hole portion being formed in such a way that said inside diameter thereof becomes smaller continuously toward said minute hole portion.

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